

# Kentucky Department for Public Health Weekly Influenza Surveillance Report Morbidity and Mortality Weekly Report (MMWR) Week 52 December 24– December 30, 2017



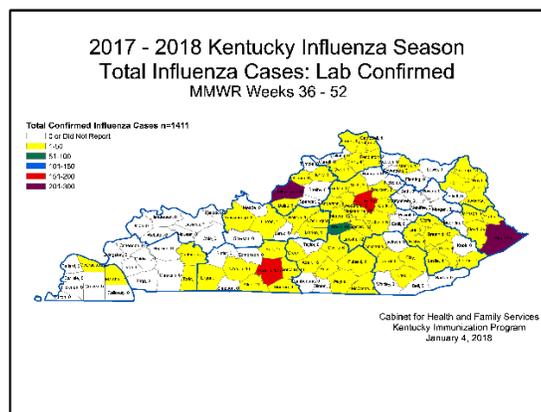
## Current Influenza Activity Level: **Widespread for Third Consecutive Week**

**Widespread:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

**Confirmed:** Influenza laboratory Confirmed Cases are defined by positive molecular virus (RT-PCR) or Virus Culture test results. Those positive test results are reportable in Kentucky. (Positive results for Rapid Influenza Diagnostic Tests are not included in this report)

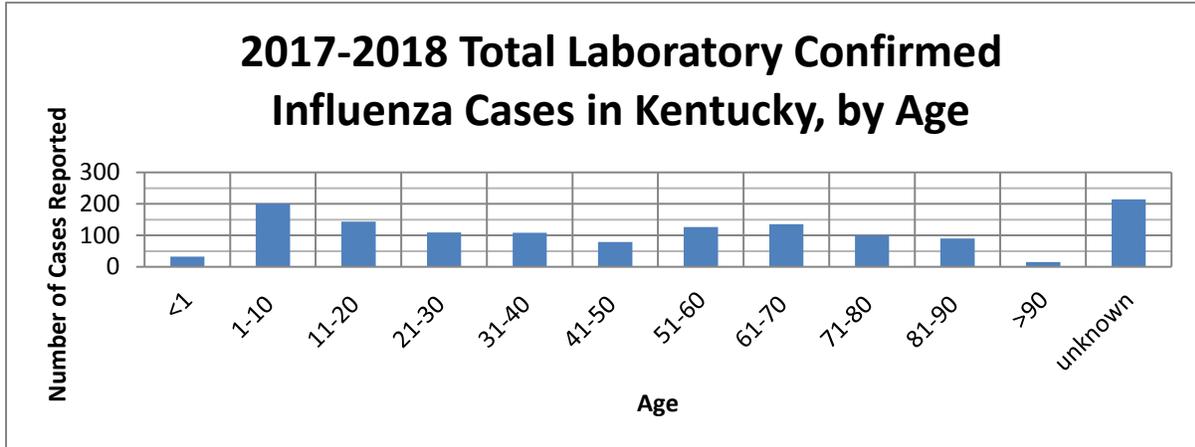
Activity Level Range: Sporadic Local Regional Widespread

Update for week 52:		Update Total for weeks 36-52:	
Lab Confirmed Influenza:	<b>505 Cases</b>	Lab Confirmed Total:	<b>1411 Cases</b>
Number of Regions with Long Term Care Facility Outbreaks:	<b>2 of 17 Regions</b>	Total Number of Long Term Care Facility Outbreaks:	<b>16 Outbreaks</b>
Number of Regions with Confirmed Flu Cases:	<b>13 of 17 Regions</b>	Total Number of Regions with Confirmed Flu Cases:	<b>15 of 17 Regions</b>
Deaths Reported:	<b>0 (under 18 years) 1 (18 years &amp; older)</b>	Total Deaths Reported:	<b>0 (under 18 years) 12 (18 years &amp; older)</b>
Number of Regions with Increased ILI Activity:	<b>17 of 17 Regions</b>		
Number of Regions with Increased Influenza Activity (see page 3):	<b>13 of 17 Regions</b>		

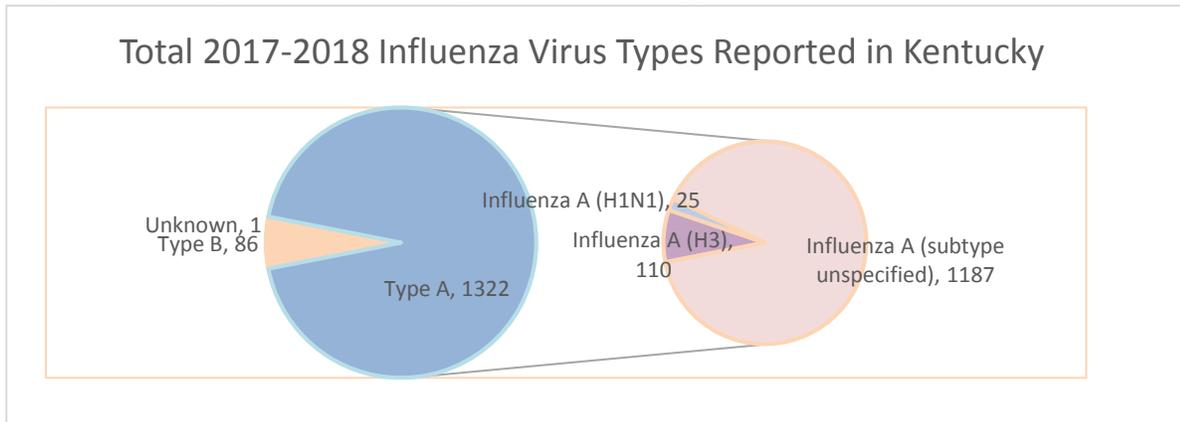


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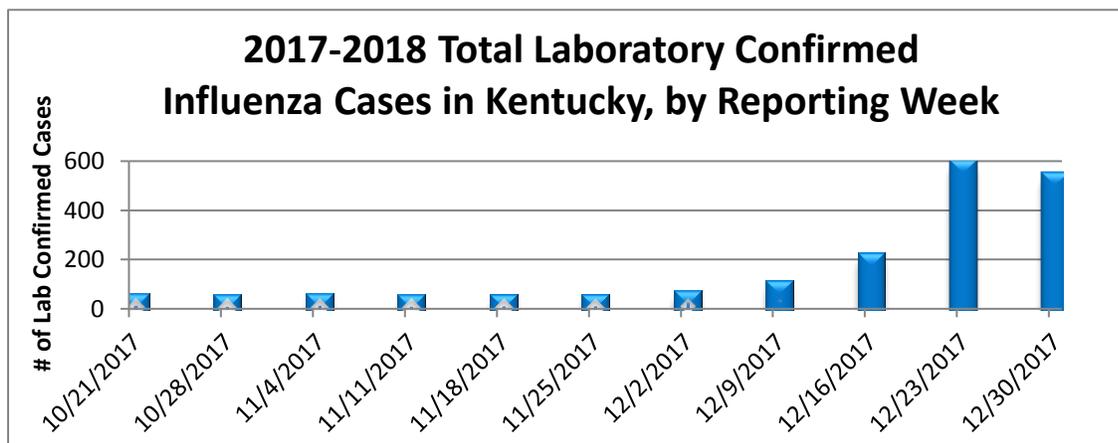
**Fig 1: Laboratory Confirmed Cases by Age**



**Fig 2: Laboratory Confirmed Cases by Influenza Virus Types**



**Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week**



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Influenza Activity Determination Table					
		Category 1	Category 2	Category 3	Combined 1 or 2 plus 3
Regions	Number ILI Net Surveillance Sites Reporting / Total Enrolled Sites	Influenza Outbreaks Reported	Increased ILI Activity Reported	Laboratory Confirmed Influenza Reported	Include Region in Weekly Report for Increased Influenza Activity
Barren River	1/6		X	123	X
Big Sandy	0/1	2	X	31	X
Bluegrass Region	2/8		X	86	X
Buffalo Trace / Gateway	0/3		X		
Capital Region	5/13		X	31	X
Cumberland Valley	0/5		X	3	X
FIVCO	1/3		X	16	X
Green River	0/4		X		
Kentucky River	0/1		X		
Lake Cumberland	0/1		X	20	X
Lexington - Fayette	3/7		X	40	X
Lincoln Trail	1/6		X	1	X
Louisville-Metro	4/20		X	147	X
North Central	2/2		X		
Northern KY	4/11		X	3	X
Pennyrile	0/2		X	1	X
Purchase	0/3	1	X	3	X
<b>**Total:</b>	23/94	2/17 regions	17/17 regions	13/17 regions	13/17 regions

\*\*Total number of regions reporting category of activity not total number of influenza cases

Kentucky National Electronic Disease Surveillance System (NEDSS) and U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) Data. Department for Public Health, Cabinet for Health and Family Services, Frankfort, Kentucky, [December 24 – December 30, 2017].



National Data  
2017-2018 Influenza Season  
Week 51 ending December 23, 2017

*All data are preliminary and may change as more reports are received.*

*\*Week 52 will be available January 11th and will be attached on the next report.*

**Synopsis:**

During week 51 (December 17-23, 2017), influenza activity increased sharply in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus subtype reported by public health laboratories during week 51 was influenza A(H3). The percentage of respiratory specimens testing positive for influenza in clinical laboratories increased.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the system-specific epidemic threshold in the National Center for Health Statistics (NCHS) Mortality Surveillance System.
- **Influenza-associated Pediatric Deaths:** Three influenza-associated pediatric deaths were reported.
- **Influenza-associated Hospitalizations:** A cumulative rate of 8.7 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 5.0%, which is above the national baseline of 2.2%. All 10 regions reported ILI at or above region-specific baseline levels. Twenty-one states experienced high ILI activity; New York City and five states experienced moderate ILI activity; eight states experienced low ILI activity; 14 states experienced minimal ILI activity; and the District of Columbia, Puerto Rico and two states had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in 36 states was reported as widespread; Puerto Rico and 13 states reported regional activity; one state reported local activity; and the District of Columbia, the U.S. Virgin Islands, and Guam did not report.

Weekly U.S. Influenza Surveillance Report. Centers for Disease Control and Prevention.

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 1/3/2018.